|                                                          | Index of Claims                                  |          |              |                   |                |         |                   |              |         |            |                                                  |            |          | ~                                     | Application Control No. |               |                 |             |           |           |           |           |       |            |           | Reexamination |          |          |          |             |             |               |             |    |   |
|----------------------------------------------------------|--------------------------------------------------|----------|--------------|-------------------|----------------|---------|-------------------|--------------|---------|------------|--------------------------------------------------|------------|----------|---------------------------------------|-------------------------|---------------|-----------------|-------------|-----------|-----------|-----------|-----------|-------|------------|-----------|---------------|----------|----------|----------|-------------|-------------|---------------|-------------|----|---|
| AMADI ARMADINI ATIRA ATIRA ATIRA ATIRA ATIRA ATIRA ATIRA |                                                  |          |              |                   |                |         |                   |              |         |            |                                                  | 10/769,686 |          |                                       |                         |               |                 |             |           |           |           |           |       | XIA ET AL. |           |               |          |          |          |             |             |               |             |    |   |
|                                                          |                                                  |          |              | Ш                 | Ш              |         |                   | Ш            |         | Ш          |                                                  |            |          |                                       | Examiner                |               |                 |             |           |           |           |           |       |            |           |               | Art Unit |          |          |             |             |               |             |    |   |
|                                                          | İ                                                |          |              | Ш                 |                |         |                   |              |         |            |                                                  |            |          |                                       | Michail A. Belyavskyi   |               |                 |             |           |           |           |           |       |            |           | 1644          |          |          |          |             |             |               |             |    |   |
| TWINIEU                                                  |                                                  |          |              |                   |                |         |                   |              |         |            |                                                  |            |          |                                       | Α.                      | A. Delyarakyi |                 |             |           |           |           |           |       |            | <u>-</u>  |               |          |          | 4        |             |             |               |             |    |   |
|                                                          |                                                  | 1        |              | _                 | _              |         | 1                 | ſ            | Т       | <i>(</i> T | hrou                                             | ah r       | านก      | าคา                                   | ral) Non-Elected        |               |                 |             |           |           |           |           |       | 1          | $\bigcap$ |               |          |          |          |             | $\Box$      |               |             |    |   |
| √ Rejected —                                             |                                                  |          |              |                   |                |         |                   | Cancelled    |         |            |                                                  |            | ,        |                                       |                         | N Non-Ele     |                 |             | BC        | 180       |           | A         | Y AP  |            |           | 88            | 1        |          |          |             |             |               |             |    |   |
|                                                          |                                                  |          |              |                   |                |         | Restricted        |              |         |            |                                                  |            |          |                                       | I Interfer              |               |                 | _           |           |           | 0         | Objected. |       |            |           |               | $\sqcap$ |          |          |             |             |               |             |    |   |
|                                                          | = Allowed +                                      |          |              |                   |                |         | Restricted        |              |         |            |                                                  |            |          |                                       |                         |               | ter             | .0110101100 |           |           |           | U         |       | _          | -Ju       |               |          | ╝        |          |             |             |               |             |    |   |
|                                                          |                                                  |          |              |                   |                |         | Claim             |              |         |            |                                                  |            |          | _                                     |                         |               |                 |             | Clair     |           |           | _         | Date  |            |           |               |          | _        |          | $\neg$      |             |               |             |    |   |
|                                                          | Claim Date                                       |          |              |                   |                |         |                   | Г            | 100     |            | Date                                             | <u>.</u>   | Т        |                                       |                         |               |                 | _           | h         |           |           |           |       |            |           | ٦             | ᅥ        |          |          |             |             |               |             |    |   |
|                                                          | Final                                            | Original | 3            | .                 | 20/A/11        |         |                   | 1            |         |            | Final                                            | gina       | Š        |                                       | 30/4////                | -             |                 | -           | - 1       |           |           |           | Final | Original   |           |               |          |          |          |             |             |               |             |    |   |
| •                                                        | 🚾                                                | δ        | //           | . †               | #              | -       | 11                | 1            |         |            | II.                                              | δ          | 1        |                                       |                         | <b> </b>      |                 | -           | -1        | 1         |           |           | ᇤ     | δ          |           |               |          |          |          |             |             |               | - 1         |    |   |
|                                                          | $\vdash$                                         | 1        | ÷            | $\dashv$          | 7              | +       |                   |              | $\pm$   |            |                                                  | 511        | ÷        |                                       | L                       |               |                 | _           | $\exists$ | 1         | ╛         |           |       | 101        |           |               |          |          |          | ╛           | ╛           | ╛             | ゴ           |    |   |
|                                                          |                                                  | 4        | •            | $\exists$         | $\dashv$       | $\mp$   | Н                 | 7            | 7       | ]          |                                                  | 52<br>58   | 1        | L                                     | L                       |               | Н               | $\dashv$    | 4         | 4         | 4         |           |       | 102<br>103 | -         | Н             | $\dashv$ |          | $\dashv$ | $\dashv$    | 4           | 4             | _           | ·  |   |
|                                                          | $\vdash$                                         | 4        | Н            | _                 | $\dashv$       | +       | $\vdash$          | ┪            | 十       | -          | -                                                | इं         | Ħ        | $\vdash$                              | -                       |               | H               |             | 1         | 1         | ╛         |           |       | 104        |           |               |          |          |          |             | ╛           | 寸             |             | •  |   |
|                                                          |                                                  | 1        |              | $\Box$            | $\Box$         | 工       | П                 | $\exists$    | 1.      | ]          |                                                  | 55         | П        | V                                     | V                       |               |                 | $\exists$   | $\Box$    | $\Box$    |           |           |       | 105<br>106 |           | $\Box$        |          |          |          | $\exists$   | $\dashv$    | $\exists$     |             |    |   |
|                                                          | $\vdash$                                         | -\$-     | Н            | $\dashv$          | $\dashv$       | ╫       | H                 | ╁            | +       | -          | <u> </u>                                         | 56<br>57   | H        | ╫                                     | Н                       | $\vdash$      | Н               | $\dashv$    | ᅱ         | ┪         | $\dashv$  |           |       | 107        | Н         | H             | -        | _        | $\dashv$ | $\dashv$    | ┪           | $\dashv$      | $\dashv$    |    |   |
|                                                          |                                                  | 1        | Ш            |                   | ⇉              | 土       | 口                 | 士            | 土       |            |                                                  | 58         | Ц        |                                       | Ц                       |               |                 | $\Box$      | コ         | $\Box$    |           |           |       | 108        |           |               |          |          |          |             | $\sqsupset$ |               | $\Box$      |    |   |
|                                                          |                                                  | 10       | +            | $\dashv$          | $\dashv$       | 4       | ₩                 | +            | +       | -          |                                                  | 59.<br>60  | H        | IJ                                    | ₩                       | H             | Н               | -           | -         | +         | -         |           |       | 109<br>110 | Н         | Н             | _        | Н        | $\dashv$ | $\dashv$    | $\dashv$    | $\dashv$      | ႕           | ı  |   |
|                                                          | $\vdash$                                         | 117      | Н            |                   | 7              | $\pm$   |                   | 1            | 士       |            | <del>                                     </del> | ल          | H        | Ľ                                     | Ė                       |               |                 |             |           | 士         |           |           |       | 111        |           |               |          |          |          | $\exists$   |             |               | ╛           | ı  |   |
|                                                          |                                                  | 12       | П            | $\dashv$          | $\Box$         | T       | П                 | $\perp$      | $\bot$  | ]          |                                                  | 82         | П        | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | V                       | L             | Н               | $\dashv$    | $\dashv$  | 4         | _         |           |       | 112<br>113 | H         | Н             |          | _        |          | $\dashv$    | 4           | 4             | 긕           | ı  |   |
|                                                          | $\vdash$                                         | 18<br>14 | Н            | ᅱ                 | ъ              | +       | H                 | +            | ╁       | ┪          |                                                  | 64         | H        | <del>K</del>                          | ۲                       | $\vdash$      | Н               | ┪           | ┪         | ┪         | -         |           |       | 114        | Н         | H             |          | $\dashv$ | $\dashv$ | $\dashv$    | ┪           | $\dashv$      | ┨           | ı  |   |
|                                                          |                                                  | 15       |              | $\Box$            | 耳              | 工       | $\Box$            | コ            | $\perp$ |            |                                                  | 65         | П        | I                                     | I                       |               |                 | コ           | コ         | $\Box$    |           |           |       | 115        |           |               |          |          |          | $\exists$   | コ           | $\exists$     | $\sqsupset$ |    |   |
|                                                          | $\vdash$                                         | 16<br>17 | Н            | ₩                 | ╫              | +       | ₩                 | $\dashv$     | +       | -          | <u> </u>                                         | 66<br>67   | H        | ₩                                     | ₩                       | H             | Н               | $\dashv$    | -         | ┥         | -         |           |       | 116        | $\vdash$  | $\dashv$      | _        | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$    | $\dashv$      | $\dashv$    | ı  |   |
|                                                          |                                                  | 18       |              | <u> </u>          | 並              |         | 且                 | ユ            | 土       |            |                                                  | 68         | Ц        | ഥ                                     | ഥ                       |               |                 |             |           | 1         |           |           |       | 118        |           |               |          |          |          |             |             |               | ⊐           | 1  |   |
|                                                          |                                                  | 19<br>20 | 4            | 4                 | V              | -       | ╀                 | 4            | +       | -          | <u> </u>                                         | 69<br>70   | H        | -                                     | H                       | L             | $\vdash$        | -           | -         | 4         | 4         |           |       | 119<br>120 | Н         | Н             | Н        | -        | -        | $\dashv$    | -           | $\dashv$      | $\dashv$    | ı  |   |
|                                                          | · ·                                              | 2        | $\forall$    | ᅥ                 | +              | +       | $\dagger \dagger$ | 7            | +       | 1          |                                                  | 71         | H        | H                                     | 17                      |               | Н               |             |           | 1         | ╗         |           |       | 121        |           | Н             |          |          |          | 1           | 7           |               | $\exists$   | ı  |   |
|                                                          | $\Box$                                           | 22       | П            | V                 | У              | $\bot$  | П                 | 4            | Ŧ       | ]          |                                                  | 72         | Ţ        | $\prod$                               | П                       |               | П               | $\Box$      | $\Box$    | 4         | $\Box$    |           |       | 122        |           |               |          |          |          |             | $\exists$   |               | $\Box$      |    |   |
|                                                          |                                                  | 23<br>24 | Н            | H                 | +              | +       |                   | +            |         | ┨          | <b> </b> -                                       | 73<br>74   | 12       | Ż                                     | ₩                       | $\vdash$      | Н               | -           | -         | $\dashv$  | $\dashv$  |           |       | 123<br>124 | Н         | H             |          | -        | $\dashv$ | $\dashv$    | ┥           | $\dashv$      | 긤           |    |   |
|                                                          |                                                  | 25       | Щ            | #                 | #              |         |                   | 1            | 1       |            |                                                  | 75         |          |                                       | ഥ                       |               |                 | $\sqsupset$ | $\Box$    |           |           |           |       | 125        |           |               |          |          |          | $\sqsupset$ | $\Box$      |               |             |    |   |
|                                                          | $\vdash$                                         | 26<br>27 | $\mathbb{H}$ | ╢                 | ╫              | +       | H                 | +            | +       | -          |                                                  | 76<br>77   | ⊢        | ┞                                     | H                       | -             | Н               | $\dashv$    | $\dashv$  | +         | 4         |           |       | 126<br>127 | Н         | Н             |          | _        | _        | $\dashv$    | $\dashv$    | -             | $\dashv$    |    |   |
|                                                          |                                                  | 28       | #            | $\dagger \dagger$ | $\parallel$    | $\perp$ |                   | _            | 1       |            | -                                                | 78         |          |                                       | Ц                       |               |                 |             |           | 1         |           |           |       | 128        |           |               |          |          |          |             |             |               | Ⅎ           | ı  |   |
|                                                          |                                                  | 29       |              | $\prod$           | $\blacksquare$ | $\bot$  | П                 | $\exists$    | $\top$  |            |                                                  | 79         |          |                                       | П                       |               |                 | $\exists$   | $\Box$    | $\exists$ |           |           |       | 129        |           |               |          |          |          | $\Box$      |             | $\Box$        | $\dashv$    | i  |   |
|                                                          | <del>                                     </del> | 30<br>31 | ╫            | H                 | ╫              | ╁       | H                 | ╅            | ╁       | -          | $\vdash$                                         | 80<br>81   | ⊢        | $\vdash$                              | H                       | -             | Н               | $\dashv$    | -         | $\dashv$  | -         |           |       | 130<br>131 | $\vdash$  | Н             | $\dashv$ |          | -        |             | -           | $\overline{}$ | ᅱ           | ı  |   |
|                                                          |                                                  | 32       | 7            | П                 | $\blacksquare$ | T       | П                 | 1            | 1       |            |                                                  | 82         |          |                                       | П                       |               |                 | $\Box$      | $\Box$    | $\exists$ |           |           |       | 132        |           |               |          |          |          | $\Box$      | $\Box$      |               | $\sqsupset$ |    |   |
|                                                          | -                                                | 33<br>34 | +            | H                 | ╫              | +       | ${f H}$           | $\dashv$     | +       | -          |                                                  | 83<br>84   | -        | ├-                                    | H                       | $\vdash$      | Н               | $\dashv$    | -         | +         | -         |           |       | 133<br>134 | ⊢         | Н             | $\vdash$ | -        | -        | $\dashv$    | ᅱ           | $\dashv$      | $\dashv$    | ı  |   |
|                                                          |                                                  | 35       |              | П                 | $\parallel$    | $\pm$   | Ħ                 | I            | 士       |            |                                                  | 85         | L        |                                       |                         |               | $oxed{	ext{T}}$ |             |           | •         |           |           |       | 135        |           |               |          |          |          |             |             |               | ╛           | •  |   |
|                                                          |                                                  | 36       | $\perp$      | H                 | 4              | $\bot$  | Ц                 | 4            | $\bot$  | -          |                                                  | 86         | L        | L                                     | 1                       |               | П               | $\Box$      | 4         | 4         |           |           |       | 136        |           | Ц             |          |          |          | $\Box$      | _           |               | $\dashv$    |    |   |
|                                                          | $\vdash$                                         | 37<br>38 | +            | Н                 | ╫              | +-      | ╁┼                | +            | +       | -          | -                                                | 87<br>88   | ┝        | ┝                                     | ╫                       |               | Н               | ᅱ           | ᅱ         | +         | -         |           | -     | 137<br>138 | +         | Н             | -        |          | $\dashv$ | $\dashv$    | _           | $\dashv$      | $\dashv$    |    |   |
|                                                          |                                                  | 39       | $\downarrow$ | П                 | $\coprod$      |         | П                 | コ            | 1       |            |                                                  | 89         |          |                                       | I                       |               |                 |             | $\Box$    | コ         |           |           |       | 139        |           |               |          | T A      |          |             |             |               | 口           |    |   |
|                                                          | $\vdash$                                         | 40 ·     | +            | IJ                | ₩              | +       | $\vdash$          | +            | +       | -          |                                                  | 90<br>91   | -        | 1.                                    | V                       | $\vdash$      | Н               | $\dashv$    | $\dashv$  | $\dashv$  | -         |           |       | 140        | $\vdash$  | Н             |          | -        | Н        | $\dashv$    | -           | $\dashv$      | $\dashv$    |    |   |
|                                                          |                                                  | 42       | Ħ            |                   | Ĭ              | 土       | 口                 | 1            | 土       |            |                                                  | 92         |          | Ľ                                     | Ľ                       |               | 口               |             | ╛         | _         |           |           |       | 142        |           | 口             |          |          |          |             | ╛           | ⇉             | ╛           |    | • |
|                                                          | H                                                | 43       | 4]           | 4                 | 4              | +       | H                 | $\bot$       | +       | -          |                                                  | 93<br>94   | F        | Ĺ                                     |                         |               | Ц               | $\dashv$    | 4         | $\bot$    | _         |           |       | 143        | $\vdash$  | Ц             | $\Box$   |          |          | $\dashv$    | 4           | $\dashv$      | 4           | Ì. |   |
|                                                          |                                                  | 45       | 廿            | 7                 | 士              | $\pm$   |                   | 7            | 士       |            |                                                  | 95         | $\vdash$ |                                       |                         |               | H               | _           | 7         | _         | -         |           |       | 145        |           | $\vdash$      |          |          |          | -           | _           | _             | ᅥ           |    |   |
|                                                          | 口                                                | 46       | $\prod$      | $\dashv$          | 7              | T       | П                 | 7            | T       |            |                                                  | 96         | F        | F                                     | F                       |               | 口               | $\exists$   | コ         | 7         | $\exists$ |           |       | 146        |           |               |          |          |          |             | $\Box$      | 耳             | $\Box$      |    |   |
|                                                          | $\vdash$                                         | 47       | ╫            | $\dashv$          | $\dashv$       | +       | ╁                 | +            | ╁       | ┪          | $\vdash$                                         | 97<br>98   | $\vdash$ | -                                     | $\vdash$                | Н             | H               | $\dashv$    | +         | +         | ┨         |           |       | 147        | H         | Н             | -        | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$    | $\dashv$      | $\dashv$    |    |   |
|                                                          |                                                  | 49       | 1            | コ                 | コ              | 丰       | $\Box$            | $\downarrow$ | 工       |            |                                                  | 99         |          |                                       |                         |               | 口               | コ           | 耳         | コ         |           |           |       | 149        |           |               |          |          |          | $\square$   | コ           | $\Box$        | コ           | ı  |   |
|                                                          |                                                  | SD       | 4            | - 1               |                | ı       |                   | - 1          | - 1     |            |                                                  | 100        | 1        |                                       | ı                       | ı             | 1               | - 1         | - 1       |           | E         |           |       | 150        | 1 1       | ıl            |          |          |          |             |             |               | - 1         | i  |   |